KRAKAN, IN. A.

R. Protas, In. A. Krakan, and P. Kh. Pruss, "The sensitivity of photographic layers and the dimensions of emulsion crystals," P. 824.

Investigations were made on the influence of the concentration of silver bromide, ammonia and potassium bromide at the moment of formation of the dispersion phase upon the dimensions of the crystals and upon the sensitivity of the layer. It is established that they depend differently on the conditions of the synthesis of emulsions.

The State Optical Inst. of Leningrad (Order of Lenin) December 9, 1947

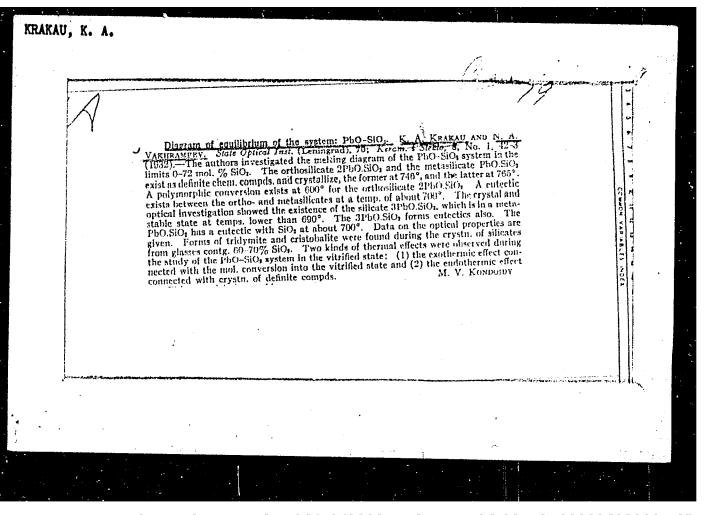
SO: Journal of Applied Chemistry (USSR) 21, No. 8, August (1948)

KRAKATIESA, V.V. [Krakatytala, V.V.]

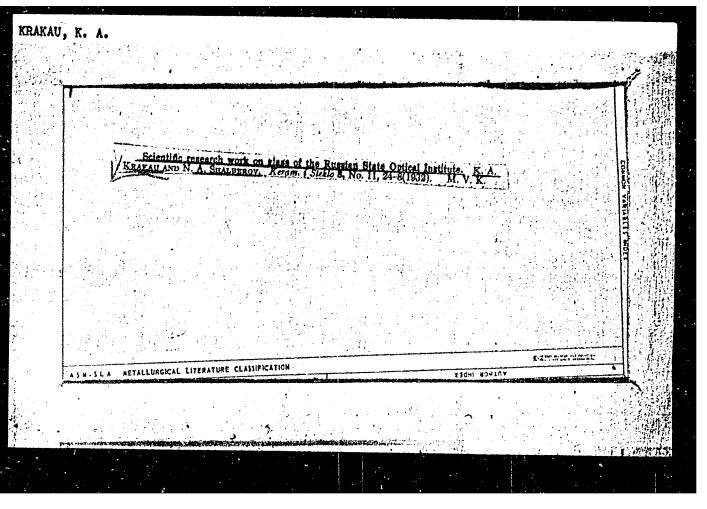
Electrication and abundance of larvae and fry of the multist Multius barbatus pontions Easing via the hyponeuston of the Black Sea.

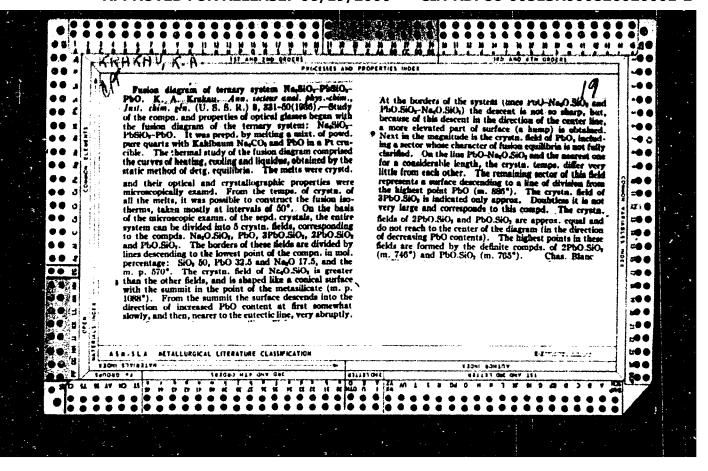
Nauk.cap.Od.biol.ata. nc.50162-103 \*\*64.\*

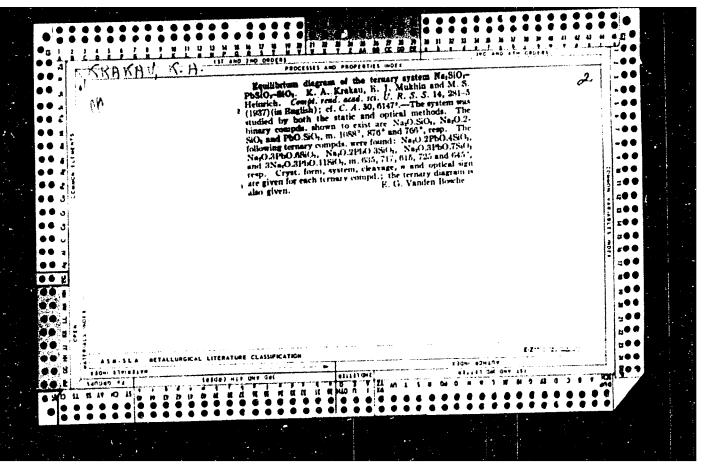
(MIRA 18:1)

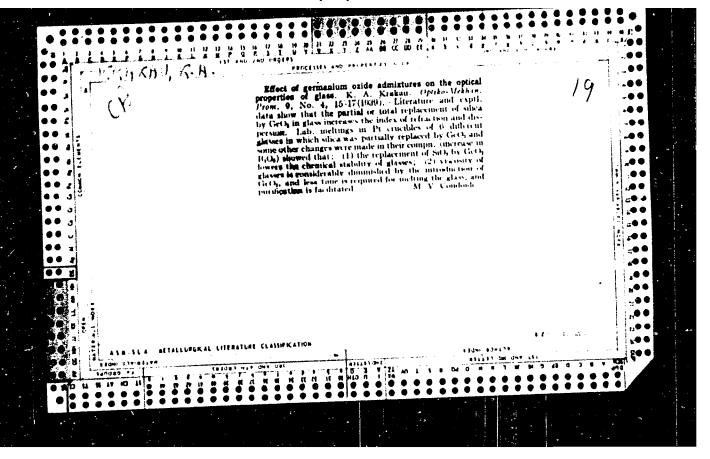


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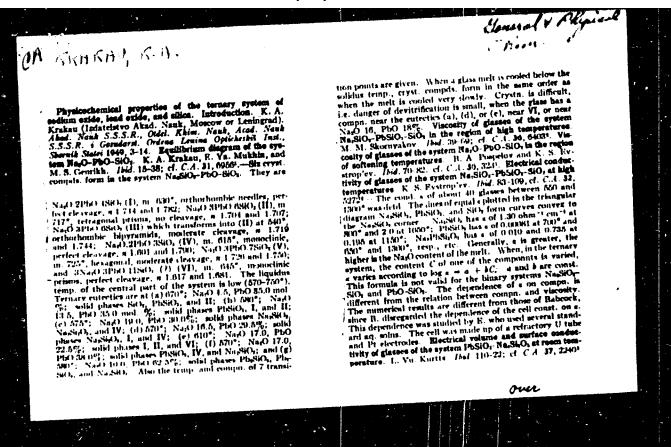


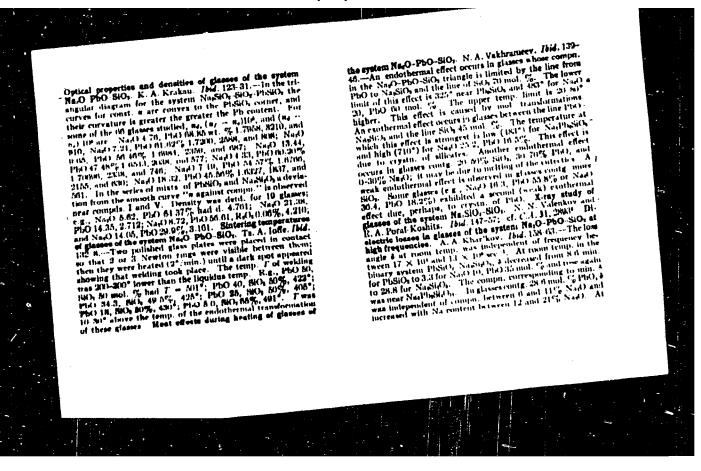
ERAKAU, K. A. and others

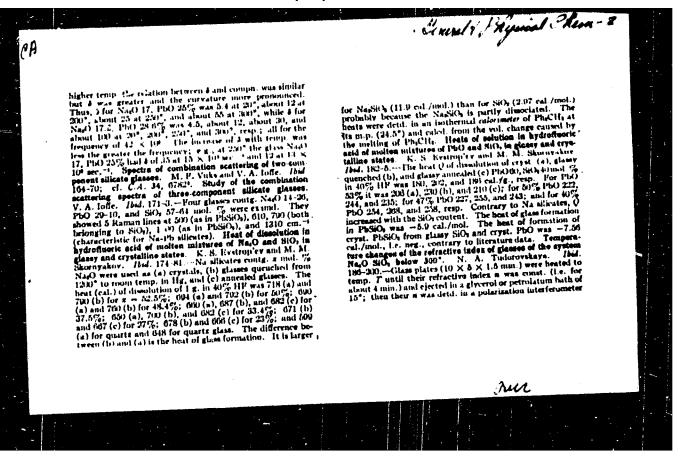
Fiziko-khimicheskiye svoystva troynoy sistemy-okie' natriya-ckis' svintsa-kresnezem.

Moscow 1949. 219 p.

Collection of articles on equiliborium, viscosity, electric conductivity, density, etc., of above mentioned compounds; published by Academy of Sciences, USSR.







in comparison with identical plates not subjected to heat-treatment. Heat-treatment had no effect on n of the glass (I) NadO 32.4, SiCh 63.5, R.O. 4.1 nod. %. Glasses made of NadO 32.0, 98.07.1.0, RAD, 2.1.% (glass II) and NagO 18.0, SiCh 70.4, Reh 4.7% (glass III) showed n decreasing when I increased. Hetween 70.7 and 280.8 they load 4 regions of coust, n and 3 regions of n decreasing on a temp, increases The latter were observed between 85 and 120.1 10 and 365.7, and 180 and 210.7, to near the transformation temps, by trislymite (117 and 161.7) and crystobolite (210.240.5) III, which had more bith, not bound by NadO than had II, showed greater charges than II, thus the decrease of n after freatment at 240-280.8 was 185 × 10.7 for III and 150 × 10.7 for III. 1, which contained no free SiO<sub>0</sub>, had an invariable n. Heat-treatment of SiO<sub>0</sub> glass had no effect on n below 210.9, but between T = 210.2 and 230.8 decreased by 70 × 10.7 f. this decrease remained count, at higher Tup to 300.8. This effect was caused by transformation of crystobalite. Between T = 140 and 105.8, a after a shorter (1-2 min ) be at-treatment of II and III was smaller (by about 20 × 10.7) than after longer treatment (4 min.). The cause of this min. is unknown. Temperature charges of the refractive index of glasses of the systems Na.O SiO<sub>2</sub> and PhO. SiO<sub>2</sub> N. A. Tudorovakaya. Phd. 201-10. The not the glass Na.O 37.0 to 10.0 to 1

occurred between 410 and 459°. On the contrary, glasses contg. free SiC<sub>b</sub> had a first increasing with temp.; thus as of Nat) 37. 8iC<sub>b</sub> 73°, was at 430° by 4 × 10° greater than at 20°; between 43° and 485° the a rapidity decreased. The Nat) 23. 8iC<sub>b</sub> 77°, glass had a increasing between 20° and 40° more rapidly than the previous glass as it had more free SiC<sub>b</sub>; its region of rapid decrease of a was between 450 and 515°. Ph silicates had as first rapidly increasing with temp, the increase being more rapid the higher the Ph content. Thus the Ph3 55°, SiC<sub>b</sub> Mo<sup>2</sup>g glass had a at 441° by 75° × 10°° greater than at 20°. The region of rapid decrease of a was between 40° and 4.0° for this glass, 40° and 40°° for Ph4 35°, 8Cb, 40°° and 40° and 4.0° for Ph4 35°, 8Cb, 40°° and 40° and 4.0° for Ph4 35°, 8Cb, 40°° and 40° and 40° and 40° and 40° and 40° for Ph4 35°, 8Cb, 40°° and 40° and 40° and 40° and 40°° for Ph4 35°, 8Cb, 40°° and 40° and 40°° and

(MIRA 14:1)

NIKITIN, A.I., prof., otv.red.; DOBYCHIN, B.D., prof., zam.otv.red.;
ABRAMOV, K.T., kand.med.nouk, red.; KAZANTSEV, A.I., prof.,
red.; TIMOFEYEV, S.I., prof., red.; KHODOS, Kh.B., prof., red.;
BOLOTOV, M.P., prof., red.; SHERSHNEV, P.A., prof., red.;
VAYS, S.I., prof., red.; KLIMOV, K.A., dotsent, red.; SEMENOV,
V.V., dotsent, red.; DONSKOV, V.V., dotsent, red.; KARNAKOV,
B.I., dotsent, red.; KRAKAU, S.I., red.

[Collection of works of the Irkutsk State Medical Institute devoted to its 40th anniversary] Sbornik trudov Irkutskogo gosudarstvennogo meditsinskogo instituta, posviashchennyi 40-letiiu so dnia ego osnovaniia. Irkutsk, 1959. 442 p.

1. Russia (1917- R.S.F.S.R.) Ministerstvo zdarvookhraneniya.

2. Zaveduyushchiy kafedroy normal'noy fiziologii Irkutskogo meditsinskogo instituta (for Nikitin). 3. Zaveduyushchiy fakul'-tetskoy khirurgicheskoy klinikoy Irkutskogo gosuderstvennogo meditsinskogo instituta (for Dobychin).4. Zaveduyushchiy kafedroy biokhimii Irkutskogo meditsinskogo instituta (for Shershnev). 5. Zaveduyushchiy kafedroy propedevtiki vnutrennikh bolezney Irkutskogo meditsinskogo instituta (for Karnakov).

(MEDICINE)

SHORYGIN, Andrey Pavlovich; KRAKAU, T.K., dots., retsenzent; COMOYUNOV, K.K., retsenzent; DANILOVA. V.V., red.

[Magnetic elements of computers] Magnitrye elementy vy-chislitel'nykh mashin. Moskva, Vysshaia shkola, 1965.
335 p. (MIRA 18:11)

l. Leningradskiy politekhnicheskiy institut im. M.I.Kalinina (for Krakau). 2. Kafedra inzhenernoy elektrofizikî Moskovskogo energeticheskogo instituta im. Molotova (for Gomoyunov).

GOMOYUNOV, Konstantin Konstantinovich; KRAKAU, T.K., red.

[Digital components; manual for a course in "Elements of digital devices"] Elementy diskretnogo deistviia; uchebnoe posobie po kursu "Elementy ustroistv diskretnogo deistviia". Leningrad, Leningr. politekhm. in-t im. M.I.Kalinina, 1965. 270 p. (MIRA 18:12)

EZVITIN, E. A., GIRSHGORN, Sh. I., KRAKAU, V. N., and PEVESOV, V. P.

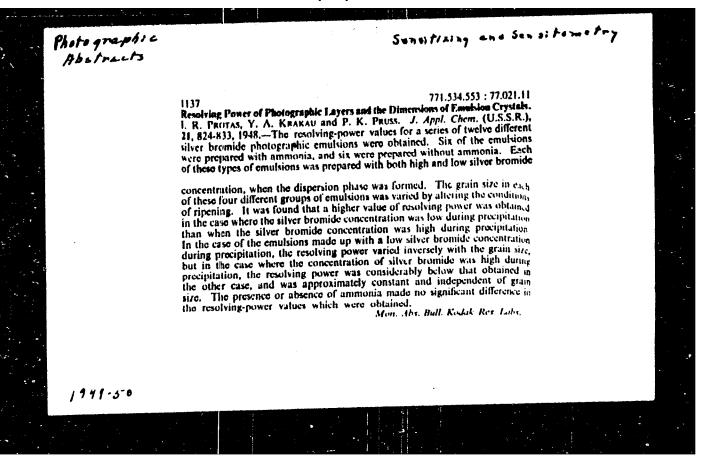
"Radio-Receivers", published by State Cooperative Publishers, Moscow, 1949

KRAKAU, YU.A.

The resolving power of photographic layers and the dimensions of the emulsion crystals. 1. R. Protas, Yu. A. Krakau, and P. Kh. Pruss. Zhur. Priklad. Khim. Pfrackpyllet Chem.) 21, 824-30 [1980]; cf. following abstr. Particle size distribution, photographic sensitivity S. contrast coeff. C. fog d., and resolving power R, were deld, for 4 series of emulsions, the 1st 2 prepd. with, the other 2 without, NH. The compus. of the layers immediately after emulsification were in series I, gelatin 5%, Aghr 0.075 and 0.15, 0.75 and 1.70 mol./1.; II, grlatin 5%, Aghr 0.75, MBr and NH, as in I; III, grlatin 16%, Aghr 0.3, KBr and NH, as in I; III, grlatin 16%, Aghr 0.3, KBr 0.015, 0.075, 0.375 mol./1.; III, grlatin 16%, Aghr 0.3, KBr 0.015, 0.075, 0.375 mol./2.; IV, gelatin 16%, Aghr 0.3, mol. 1. Microscopic dispersion analysis showed that, at const. Aghr concurate increase of its only, at the moment of emulsification, brought about by increased crystal size, and, at the same time, increased S and decreased. C. However, the accepted and expected concomitant decrease of R was observed only in series I and III, i.e. when Aghr was pild from dll. solns, not in Hor IV, where R varies very little despite the great variation of the mean grain cross-section, 0.07 0.7 az in II and 0.20 1.21 az in IV. Grain

size distribution curves of emulsions prepd, with close concess of NIL, and KBr are similar. In I and II, 8 mecreases with the grain size, the 2 series showing differences only in the case of coarse emulsions; among these, emulsions in which Aglir was pptd, from a larger vol, have the greater S. In III and IV S increases only very slightly with the grain size, and the curves of S as a function of the grain size are almost identical for the 2 wries. C falls with increasing grain size, faster in I and II than in III and IV. At equal composite the medium, C is the lower, the smaller the vol. from which Aglir was pptd. Under otherwise identical conditions, R is substantially higher in I and III than in II and IV, and the difference is the more marked the finer the grain of Aglir. The grain size is mainly detd, by the conen, of SII, and KBr in the emulsion, but is in no way significantly affected by the vol from which Aglir is pptd., i.e. by the very factor which has a detg, influence on R. This refutes the generally accepted direct relation between small grain size and high R. It is possible to prop. chalsons of identical grain size and high which while in the size and digital size and identical R.

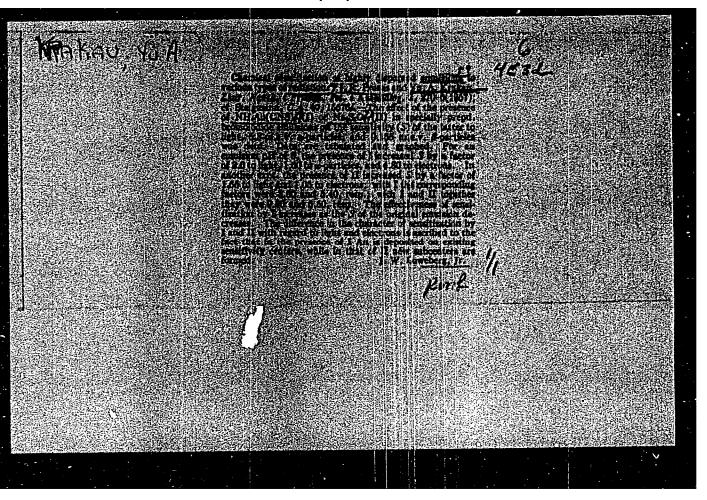
Seningrad State Option Inst



WThe Size and Form of Crystals of a Silver Halide in Photographic Emulsions, Zhur. peik. khim., 22, No.8, 1949

"Thickness of Emulsion Crystals and Resolving Power of Photographic Emuslions," Zhur. pril. Etim., 22, No.9, 1949

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2



PROTAS, I. R., KRAKAU, Yu. A. and SIDORENKOVA, P. T. (USSR)

"Etude de La Sensibilisation Chimique Des Emulsions Nucleaires."

paper presented at the Second Intl. Colloquium on Corpuscular Photography.

Montreal, 21 Aug - 7 Sep 1958.

Encl: B-3,114,647.

PROTAS, I.R., KRAKAU, Yu.A., SIDORENKOVA, P.T.

Role of thiocyanogen ions during the chemical sensitization of photographic emulsions with gold. Usp.nauch.fot. 7:87-95 160.

(MIRA 13:7)

(Photographic emulsions) (Photographic chemistry)

\$/077/61/006/005/002/004 27268 DO51/D113 Preparing nuclear emulsions by diffusive emulsification also 1051,1227 Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 21.6000 Krakau Yu. A. TEXT: The author describes a method of producing nuclear emulsions by dif-fusion of AgNO and KBr in a galatin gel according to the formula AUTHOR: TEXT: The author describes a method of producing nuclear emulsion of AgNO3 and KBr in a gelatin gel according to the formula TITLE: Subsequent to the diffusion process and the formation of silver bromide, the Subsequent to the diffusion process and the formation in which the nBr of the KBr is introduced into the emulsion in an amount in which the nBr of the PERIODICAL: Subsequent to the dillusion process and the lormation of silver promide, the KBr is introduced into the emulsion in an amount in which the ontimum condition and the emulsion in an account to establish the ontimum conditions and the emulsion is account to establish the optimum conditions. KBr is introduced into the emulsion in an amount in which the pBr of the conditions and into the emulsion in an amount in which the pBr of the conditions are emulsion is equal to 2.7-2.8. In order to establish the dependence of the emulsion is equal to 2.7-2.8. The author studied the dependence of the diffusive for diffusive emulsification, and the concentration of the diffusive amount of AgBr forming in the gel on the concentration. À Tor diffusive emulsification, the author studied the dependence of the amount of AgBr forming in the gel on the concentration of the geletin in the gel. on the thickness of the geletin in the gel. amount of AgBr forming in the gel on the concentration of the diffusive layer, solutions and the gelatin in the gel, on the thickness of the gelatin in the gel, on results. Which are shown in a table, and the duration of the diffusion. solutions and the gelatin in the gel, on the thickness of the gelatin layer, and the duration of the diffusion. The results, which are shown in a table, card 1/3

APPROVED FOR RELEASE: 06/19/2000

27268

Preparing nuclear emulsions ....

\$/077/61/00%/005/002/004 D051/D113

prove that the best conditions for diffusive emulsification will be obtained when 2 M of KBr and AgNO, solutions are diffused within 5 minutes in a 3% and approximately 0.8 mm thick gelatin gel. In this case, the amount of AgBr in the layer will reach about 85%. The dispersive characteristics of the obtained emulsions were examined by electron microscopic recording of the AgBr microcrystals (linear magnification: 4000). The results of these investigations are also shown in a table. The observed phenomenon of polydispersion can be limited by introducing erythrosine into the gel. A further characteristic of the obtained emulsions is low sensitivity. They are suitable for recording heavily ionizing particles, e.g. Po alpha-particles. The results of attempts to increase their sensitivity by using sensitizers are given in another table. The author thanks A.L.Kartuzhanskiy for his help. There are 3 figures, 3 tables and 10 references: 7 Soviet and 3 non-Soviet-bloc. The 3 references to English-language publications read as follows: W.Markocki, Sci. et inds photogr., 1959, 30, 177; J. Colomer, Ch. Shoebel, Sci. et inds photogr., 1958, 29, 449; P. Demers, Phys. Rev., 1946, 70, 86.

Preparing nuclear emulsions ....

27268 s/077/61/006/005/002/004 D051/D113

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S.I. Vavilova (State Optical Institute im. S.I. Vavilov)

SUBMITTED:

October 26, 1959

Card 3/3

PROTAS, I.R.; KRAKAU, Yu.A.

Coagulation of photographic emulsions with sodium sulfate.

Zhur.nauch.i prikl. fot.i kin. 6 no.6:404-407 N-D '61. (MIRA 15:1)

1. Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova. (Photographic emulsions)

# An example of handling castings in an agricultural machine factory. Podnik organizace 17 no.1:27 Ja '63.

Analysis of the handling of materials with regard to the kind of work and worker qualification. Tech praca 15 no.4:281-283 Ap \*63.

1. Technicko-organizacni vyzkumny ustav strojirensky, Praha.

Importance of the worker's movement study for modernization of the handling of material. Podn org 18 no.5:212-215 My '64.

1. Research Institute of the Machine Industry Technology and Organization.

1

Handling of materials in France. Podn org 18 no.2:91-95 F:64

1. Technical and Organizational Research Institute of the Machine Industry.

"Handling of materials in the heavy machine industry" by J. Vejchoda, M. Rejman, V. Libal. Reviewed by Vladimir Krakes. Podn org 18 no.8:383-384 Ag 164.

KRAKES, Vladizir

Equipment for the handling of material at the 1964 Brno Fair. Podn org 18 no.12:554-557 D'64.

1. Research Institute of Mechanical Engineering and Economics, Prague.

Organization and control of handling of materials in the Renault Factory. Podn org 19 no.2:89-92 F 165.

1. Research Institute of Mechanical Engineering and Economics, Prague.

GUS'KOV, B.S.; KRAKHIN, A.G.

Wear of cutters and surface smoothness in fine boring of cast-iron bushings on diamond boring machines. Stan.i instr. 33 no.5:31 My '62. (MIRA 15:5) (Drilling and boring)

GUS'KOV, B.S.; KRAKHIN, A.G.; BEREZOVSKIY, G.P.

Boring bar with mechanical fastening of ceramic tips for a diamond boring machine. Stan.i instr. 34 no.3:34 Mr \*63.

(MIRA 16:5)

(Drilling and boring machinery)

GUS'KOV, B.S., kand. tekhn. nauk; KRAKHIN, A.G., inzh.

Dimensional strength of hard-alloy cutting tools and surface roughness in fine boring of cast-iron parts. Mashinostroenie no.1:25-27 Ja-F '63. (MIRA 16:7)

1. Odesskiy tekhnologicheskiy institut im. Lomonosova. (Drilling and boring)

ACCESSION NR: AP4043975

5/0121/64/000/008/0023/0024

AUTHOR: Krakhin, A. G.; Gus'kov, B. S.; Berezovskiy, G. P.

TITLE: The use of TsM332 cutting tools in fine boring

SOURCE: Stanki i instrument, no. 8, 1964, 23-24

TOPIC TAGS: boring tool, TaM332 alloy, fine boring mill, T30K4 alloy, cutting speed, cutting feed, surface finish, ceramic tip, ceramic tool

ABSTRACT: One-piece boring tools were made of TsM332 alloy by the Moskovskiy kombinat tverdy\*kh splavov (Moscow Combine of Hard Alloys). Tools, 6, 8, and 12 mm in diameter and 20 mm long, were sintered to RA 91—91.5 and were ground with a diamond wheel to:  $\dot{\psi}=60^{\circ}$ ,  $\psi_1=15^{\circ}$ ,  $\gamma=3^{\circ}$ ,  $\alpha=12^{\circ}$ ,  $\lambda=0^{\circ}$ ,  $\tau=0.3$  mm. In operation they were held in a boring bar 25 mm in diameter, made of steel 45. They were tested on 55 x 20 mm bushings with internal diameters of 29—35 mm, made of steel 45. It was desired these tools be compared with those made of T30K4 alloy. The tests determined tool wear at cutting speeds v=200-375 m/min, the wear at the feeds s=0.015-0.075 mm/rev, and also the

Card 1/3

ACCESSION NR: AP4043975

surface roughness obtained at the depth of cut t = 0.1 mm and v = 320 m/min. The wear sustained by the cutter in a given length of cut was determined indirectly by measuring the taper of the bushing hole. The thermal elongation of the tools was found to be negligible under the given conditions, the use of one-piece cutters of TsM332 standard tips and that they withstood a cutting speed twice as high as that tolerated by T30K4-alloy tools (see Figs. 1 and 2 of the Enclosure). The new tools also produced a surface finish dependent only on the tool conditions for the TsM332 tools are: v = 280—320 m/min, t = 0.1 mm, they should be disengaged from the metal before being withdrawn from the sleeve. Orig. art. has: 4 figures.

ASSOCIATION: none

SUUHITTED: 00

SUB CODE: IE. MM

Card 2/3

ATD PRESS: 3083

NO REF SOV: 003

ENGL: 01

OTHER: 000

KRAKHIN, N.S.; VARAKSIN, V.N.; STUDENTSOV, V.I.

Pre-cast reinforced-concrete timbers in the mines of East Kazakhstan. Gor.zhur. no.3:70-71 Mr 160. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov, Ust'-Kamenogorsk (for Krakhin, Varaksin). 2. Lenino-shakhtostroyu-pravleniye (for Studentsov).

(East Kazakhstan Province-Mine timbering)

VORONIN, V.S.; KRAKHIN, N.S.; SHILKIN, P.I.; PUSTOVALOV, A.I.

Supports with a sprayed concrete foundation. Gor. zhur. no.1:17-22 Ja '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov, g. Ust'-Kamenogorsk (for Voronin, Krakhin, Shilkin).
2. Maslyanskiy rudnik (for Pustovalov).

(Mine timbering) (Concrete)

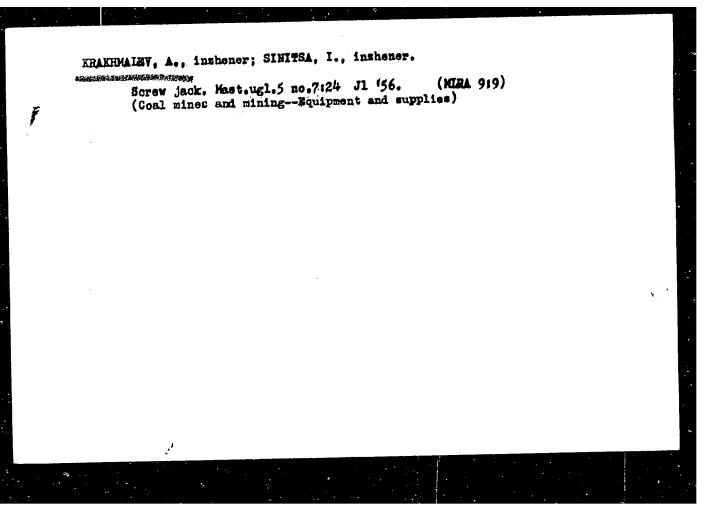
BEREZOVA, Ye.; BORODULINA, Yu.; BUSHUYEVA, P.; GEL'TSER, F.; GOLIKOV, V.; DOROSINSKIY, L.; KOZLOVA, N.; KRAKHIN, P.; KRUGLOV, N.; LAZAREV, N.; LAMPOVSHCHIKOV, P.; MAKAROVA, M.; MARKOVA, Z.; NESTEROVA, Ye.; PROKHOROV, M.; SOROKINA, T.; STARYGINA, L.; KHUDYAKOV, Ya.

Ivan Il'ich Samoilov; obituary. Mikrobiologiia 28 no.2:318-319 Mr-Ap '59. (MIRA 12:5) (SAMOILOV, IL'IA IL'ICH, 1900-1958)

KRAKHMALEV,A., inzhener; SINITSA,I., inzhener

Shunting crane with remote control. Mast.ugl,4 no.7:24-25 Jl'55.

(Mine railroads) (MLRA 8:10)



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2"

KRAKHMALEV, A., inzhener; SINITSA, I.

Improve the performance of underground transportation. Mast.ugl. 5 no.10:14-16 0 '56. (MLRA 9:12) (Coal handling) (Mine hauling)

## OSTROVSKIY, S.B., KRAKHMALEV, A.A.

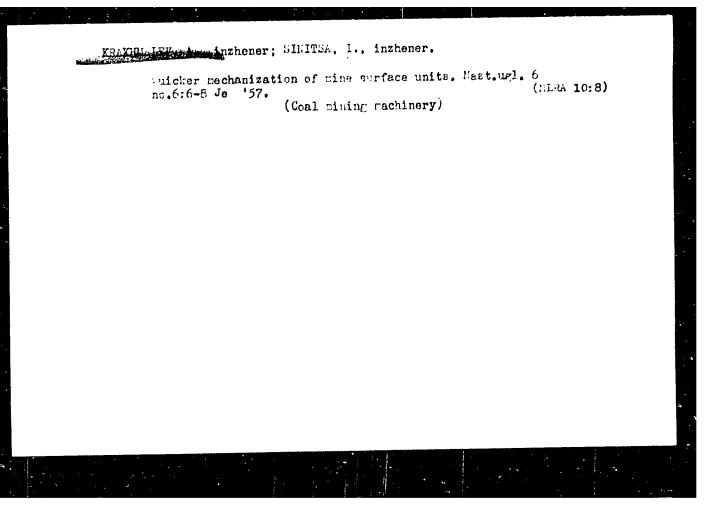
Improving mine haulage is an important condition for increased coal extraction. Mekh.trud.10 no.3:13-17 Mr '56. (MLRA 9:7)

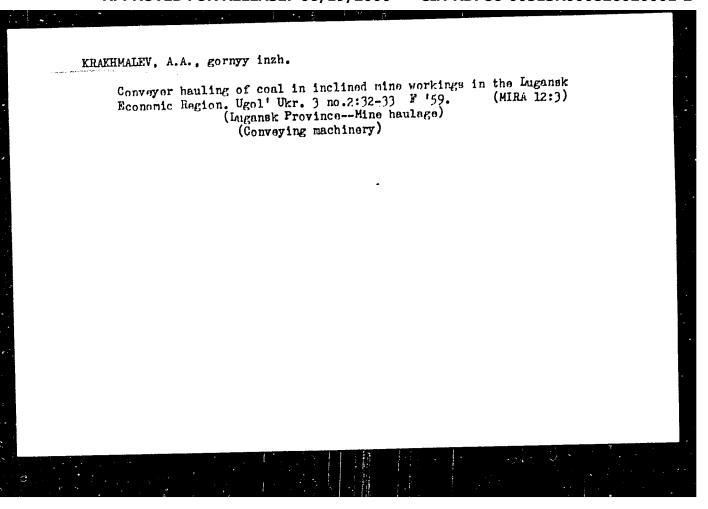
1.Ministerstve ugol'noy promyshlennosti USSR. (Mine haulage)

KRAKHMALEV, A.A., inzhener.; SINITSA, I.V., inzheher;

Safety appliances used in slope mining. Bezop.truda v prom. 1 no.3:10-12 Mr '57. (MLRA 10:4) (Coal mines and mining-Safety measures) (Mine haulage)

# "APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2





VIRABOV, Armenek Arkad'yevich; LEONOV, V.A., kand.tekhn.nauk, retsenzent; KRAKHMALEV, A.A., retsenzent; KOLOMIYTSZV, A.D., otv.red.; SABITOV, A., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red.

[Operator of machines and mechanisms for underground mine haulage]
Mashinist shakhtnykh mashin i mekhanismov podzemnogo transporta.
Moskva. Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. 1960.
219 p. (MIRA 13:7)

(Mining machinery)

Effect of the methods and means of transportation on the crushing of coal. Ugol' Ukr. 5 no.12:16-18 D '61. (MIRA 14:12)

(Coal—Transportation)

#### KRAKHMALEV, A.A., inzh.

Determining the degree of breaking up of run-of-mine anthracites in relation to the nature of breaking strains. Izv. vys. uchet. zav.; gor. zhur. 5 no.1:16-20 '62. (MIRA 15:4)

l. Institut gornogo dela imeni M.M.Fedorova AN USSR. Rekomendovana institutom gornogo dela AN USSR. (Coal--Testing)

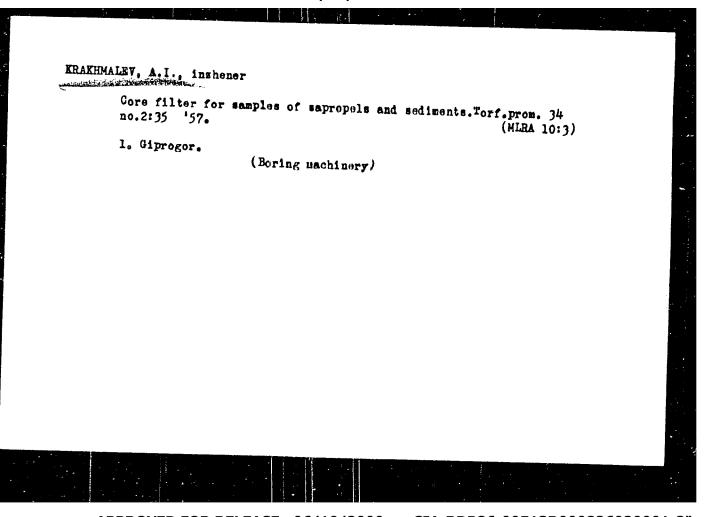
KRAKHMALEV, A.A., starshiy nauchnyy sotrudnik

Study of the processes of anthracite coal breakage during its hanlage in rines. Izv.vys.ucheb.zav.; gor. zhur. 6 no. 12: 124-131 \*63. (MIRA 17:5)

1. Institut gornogo dela AN UkrSSR imeni M.M.Fedorova.

BARINGV, A.; LYUBENKO, G.; BAGMUT, S.; VIRABOV, S.; MALIOVANOV, D.I., kand. tekhn. nauk; KRAKHMALEV, A.A., kand. tekhn. nauk (Donetsk)

Concerning the book "Layout of mine buildings and strip mines." Ugol' 39 no.3:77-78 My'64. (MIRA 17:5)



	157.	boring test holes in bogs. Torf.prom. 34 no.5:32-33 (MIRA 10:10)			10)
1. Giprogor. (Peat bogs) (Boring machinery)					

### "APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2

Stabilization of quicksands. Ugol' 35 no. 12:53-54 D '60.

(Soil stabilization)

KRAKHMALEV, A.I., gornyy inzh.

(Soil stabilization)

\*\*Exchange of experience between enterprises of the Economic Councils. Torf.prom. 37 no.4:34-35 '60. (MIRA 13:7)

1. Giprogor.

(Peat machinery)

NIKITIN, I. (Yuzhno-Sakhalinsk); SILKIN, A., obshchestvennyy kontroler; GARDEVA, V., inzh.-tekhnolog; KRAKHMALEV, V.; TSIMEALYUK, V., inzh.tekhnolog; RADZHABLI, A. (Kirovabad)

Letters to the editor. Obshchestv.pit. no.10:44-45 0 162.

(MIRA 15:11)

1. Otdel obshchestvennogo pitaniya Zheleznodorozhnogo upravleniya rabochego snabzheniya Kazakhskoy zheleznoy dorogi (for Gardeva). 2. Otdel obshchestvennogo pitaniya Kurortprodtorga, g. Nal'chik (for TSimbalyuk).

(Restaurants, lunchrooms, etc.)

ACC NR: AP7002393

SOURCE CODE: UR/0020/66/171/005/1201/1204

AUTHOR: Karapetyan, N. V.; Krakhmaleva, I. N.; Krasnovskiy, A. A. (Corresponding member AN SSSR)

ORG: Institute of Biochemistry im. A. N. Bakh, Academy of Sciences SSSR (Institut biokhimii Akademii nauk SSSR)

TITLE: Effect of heat inactivation on differential absorption spectra of purple photosynthesizing bacteria

SOURCE: AN SSSR. Doklady, v. 171, no. 5, 1966, 1201-1204

TOPIC TAGS: bacteria, chlorophyll, temperature dependence, absorption spectrum, fluorescence spectrum

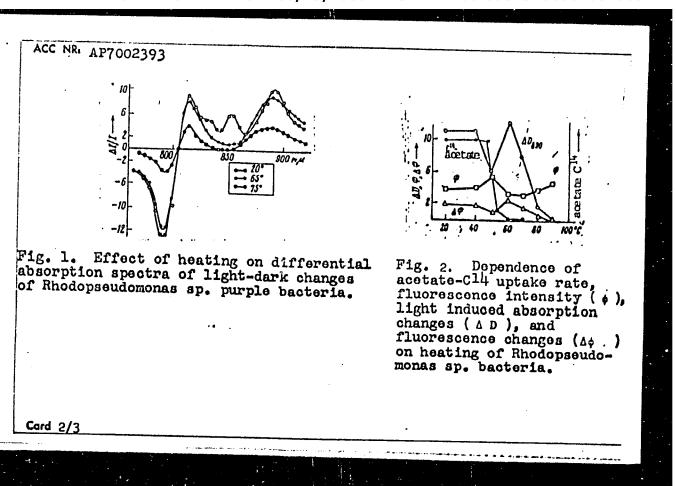
ABSTRACT: In experiments on Rhodopseudomonas sp. and Chromatium purple bacteria, the effect of heat inactivation on bacteriochlorophyll was determined by differential absorption spectra, photosynthesis rate, (acetate-C14 uptake) and absorption and fluorescence spectra. Bacterial suspensions in a culture medium were heated to temperatures of 40 to 90 c and then were subjected to freezing (-1960) and thawing. Differential spectra were measured following a five sec "light period" and a one min "dark period." Absorption spectra were measured with an SF-10 spectrophotometer and fluorescence spectra were measured with a

Card 1/3

VDC: 581.132

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020001-2"



# ACC NR: AP7002393

spectrofluorimeter assembled by Yu. Ye. Yerokhin in the laboratory. Findings indicate that photosynthetic activity is not affected by heating at 50c, but drops sharply at 55c and is completely depressed at 60c. At 60c the absorption and fluorescence spectra are not affected, but at 70c a change in the bacteriochlorophyll takes place as expressed by reduced absorption at 890 mr and increased fluorescence at 910 mr. Leating to 80c and higher produces significant absorption and fluorescence spectra changes. The differential spectra (see Fig. 1) show that complex. A possible explanation is offered for the high sensitivity of enzyme reactions and this leads to an accumulation of photochemically which in turn leads to a gradual breakdown of the pigment-protein complex and photoreactivity. The authors express their thanks to has: 4 figures.

SUB CODE: 06/ SUBM DATE: 29Aug66/ ORIG REF: 008/ OTH REF: 004

Card 3/3

### "APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2

Kraiden L'mikov, L. L.

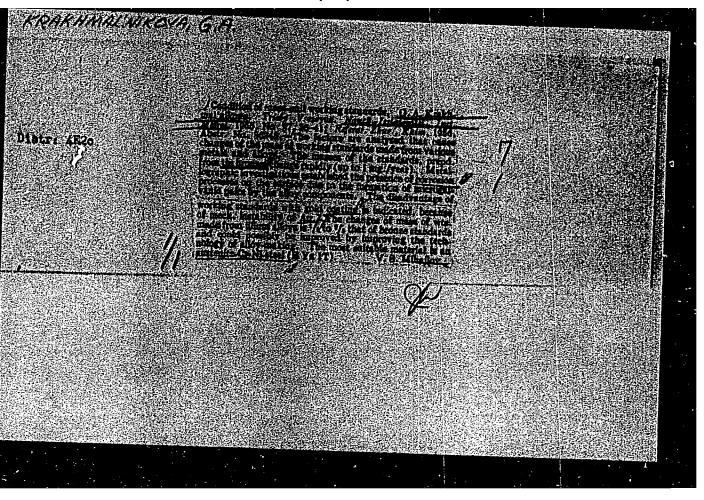
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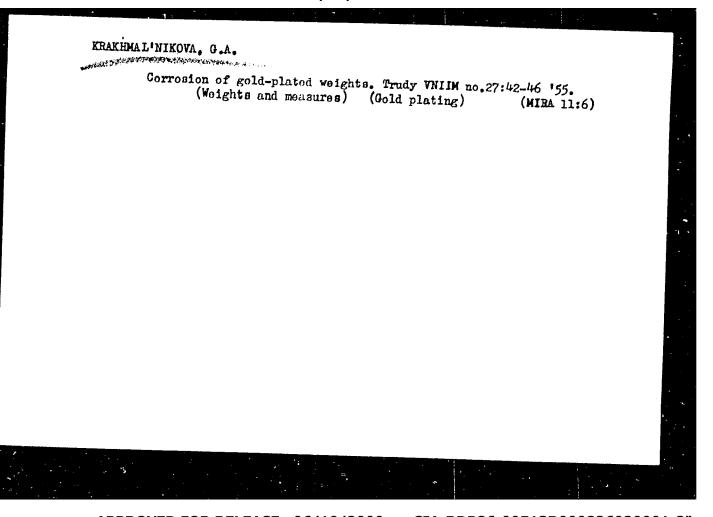
Whipshape fitentsidov luba I chyernoba na juojappe kosti junktivity u dystyky. Gev. syndissin, 1999, Ge. 5, s. 3 -5.

Se: IMALPES! DO. 4..

Meadesign of flank for the upper half of molds. Ltt. grotzy.
no.3:36 Mr '64. (MIRA 18:9)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2





SOV/58-59-9-20020

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 9, p 84 (USSR)

AUTHOR:

Gordov, A.N., Krakhmal'nikova, G.A., Ergardt, N.N.

TITLE:

A Horizontal Furnace for Obtaining Temperatures up to 1,500  $^{\rm O}{\rm C}$  in an Air Combustion-Chamber

PERIODICAL:

Tr. Vses. n.-i. in-ta metrol., 1958, Nr 35(95) pp 92 - 94

ABSTRACT:

The furnace can serve for the calibration of operating Pt-PtRh thermocouples up to  $1,500^{\circ}\text{C}$ . Fundamentally, it consists of two coaxial tubes. The inner tube (of  $\text{Al}_2\text{O}_3$ ) serves as the combustion chamber, while the outer tube (of  $\text{BeO}^2$ ) carries the heating winding (of Mo wire with a cross section of 0.2 mm), operating in an atmosphere of refined Ar, supplied under a pressure of 0.02 atm. The power of the heater is 5 kw, and the voltage of the alternating current is 220 V. The furnace provides heating up to 1,500°C for two hours. Temperature fluctuations in the center of the furnace do not exceed  $\frac{1}{2}$   $\frac{1}{2}$ °C over a distance of 7 cm.

B.I. Pilipchuk

Card 1/1

BOYALSKIY, L.A.; GOHDOV, A.N.; IOSEL'SON, G.L.; KANDYBA, V.V.; KIRENKOV, I.I.; KOVALEVSKIY, V.A.; KRAKHUAL'HIKOVA, G.A.; LAPINA, E.A.; TARAYANTS, K.G.

Using the photoelectric method for precise work in the field of optical pyrometry. Trudy VNIIM no.36:23-32 '58. (MIRA 11:11) (Pyrometry)

5/196/62/000/008/009/017 E032/E514

AUTHORS:

Kirenkov, I.I. and Krakhmal nikova, G.A.

TITLE:

A study by the photoelectric method of the

horizontal model of a black body at the temperature

of solidification of gold

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.8, 1962, 2, abstract 8V8. (Tr. in-tov Kom-ta

standartov, mer i izmerit, priborov pri Sov.Min.SSSR,

1961, no.51(111), 98-109)

Describes the apparatus and the photoelectric method of brightness calibration of standard temperature lamps in various parts of the visible region of the spectrum. measurements were carried out with the spectrometric apparatus [[][(-] (SPK-1) and the horizontal model of a black body. The brightness of the lamp was equalized with the brightness of the emitting cavity of the black body at the temperature of equilibrium between liquid and solid gold (1063°C). The current through the lamp was measured at the same time. The accuracy of the calibration is analysed and the possible experimental errors

Card 1/2

A study by the photoelectric ... S/196/62/000/008/009/017 E032/E514

are discussed. The results of calculations of the various errors  $\Delta$  T°C are given in a table. 4 figures, 5 references.

ASSOCIATION: VNIIM, Leningrad

[ Abstractor's note: Complete translation.]

Card 2/2

S/115/62/000/005/001/006 E032/E414

AUTHORS: Krakhmal'nikova, G.A., Kirenkov, I.I.

TITLE: Spectropyrometric apparatus at VNIIM

PERIODICAL: Izmeritel'naya tekhnika, no.5, 1962, 18-19

The spectropyrometric apparatus  $C \prod -4 K$  (SP-4K) was designed for fundamental metrological work at high temperatures. A detailed description of it has been given previously by V.V.Kandyba, V.A.Kovalevskiy and G.L.Iosel'son (DAN SSSR, v.4, 1956, 108; Izmeritel'naya tekhnika, no.2, 1956) and V.Ye.Finkel'shteyn and N.G.Starunov (Pribory i tekhnika eksperimenta, no.3, 1960). It is based on the null-point modulation method of brightness equalization. It is being used to set up a temperature scale with a maximum possible accuracy. The sensitivity threshold in the spectral region 0.47 to  $1\,\mu$ is 0.02 to 0.05° with a bandwidth of 0.01 to 0.03  $\mu$ , source temperature of 1063°C and a measuring-circuit time constant of The SP-4K apparatus incorporates a new modulator 5 sec. developed at KhGIMIP and described by V.A.Kovalevskiy (Pribory i tekhnika eksperimenta, no.3, 1959). Special steps were taken to Card 1/2

S/115/62/000/005/001/006 E032/E414

Spectropyrometric apparatus ...

exclude scattered radiation in the monochromator and in the external optics, and to ensure convenient and reliable adjustment of all the optical devices. These improvements are said to ensure the "required accuracy of standardization of the temperature scale".

Card 2/2

#### "APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020001-2

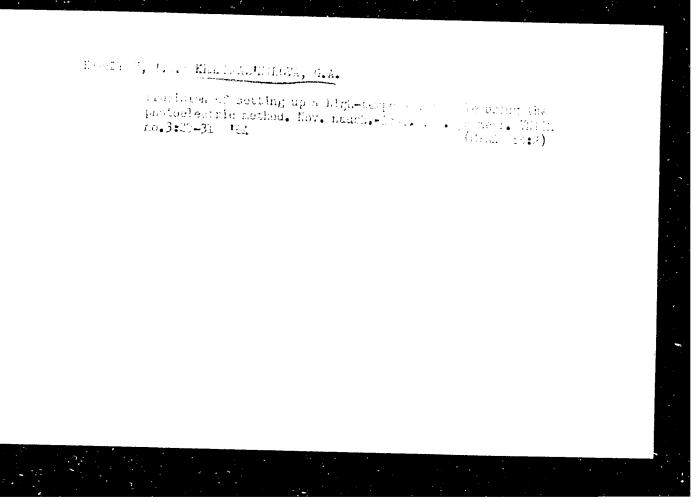
KIRENKOV, I.I.: PIGAREMAL MIKOVA, G.A

Spectropyrometer unit for plotting a temperature scale by means of the photoelectric method. Trudy Inst.Kom.stand.mer i izm.prib. no. 71:30-45 163.

Absorption light filters used in semperature measurements in a wide spectral range. Ibid.:71 77 (MIPA 17:0)

1. Vsesoyuznyy nauchno-isaled water(skry insulted metrologic imp  $0.1.\mbox{Mendeleyeva.}$ 

# Firsting a temperature scale by the southers triu method in a wide spentral range. Trudy inst Educatoristic Constitution of the 19 of 44-61 163. 1. Veerbystanyy nauchnowissiedovate. New row for methologic on D.1. Mendeleyeva.



SKVURTSOVA, L.I.; KRAKHMAL'NIKOVA, G.Kh.; FASTOVSKAYA, R.M.

Shereshevskii's syndrome observed in patients with toxoplasmosis.

Probl. endok. 1 gorm. 10 no.6:60-61 N-D '64. (MIRA 18:7)

l. Kafedra infektsionnykh bolezney (zav. - prof. L.K.Korovitskiy). kafedra akusherstva i ginekologii lechebnogo fakul'teta (zav. - prof. A.I.Malinin), kafedra gospital'noy terapii pediatricheskogo i stomatologicheskogo fakul'tetov (zav. - prof. A.A.Ors) Odesskogo meditsinskogo instituta imeni Pirogova i l-ya Odesskaya gorodskaya infektsionnaya bol'nitsa (glavnyy vrach L.T. Zhidovlenko).

AUTHOR: Krakhmal'nikova, M. I. 50-58-3-

TITLE: An Extraordinary Foehn on the Black Sea Coast of

Caucasia (Isklyuchitel'nyy fen na Chernomorskom

poberezh'ye Kavkaza)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 3, p. 38 (USSR)

State of the state

ABSTRACT: From April 15 to 17, 1957 a foehn of extraordinary strength

was observed in the regions of Poti and Batumi. The following conditions contributed to the formation of the foehn winds

in this period: Cyclones from the Mediterranean were displaced to the Black Sea and further toward north-east. Behind the Caspian Sea a powerful crest of anticyclones formed which contributed to the displacement of the dry flood from east to south-east. When crossing the mountain chains of Caucasia the air masses warmed up adiabatically

and consequently the temperature abruptly increased and the relative humidity decreased. From the east of the

Mediterranean a high-altitude frontal zone passed. A power-

ful high-altitude crest shifted above the eastern regions

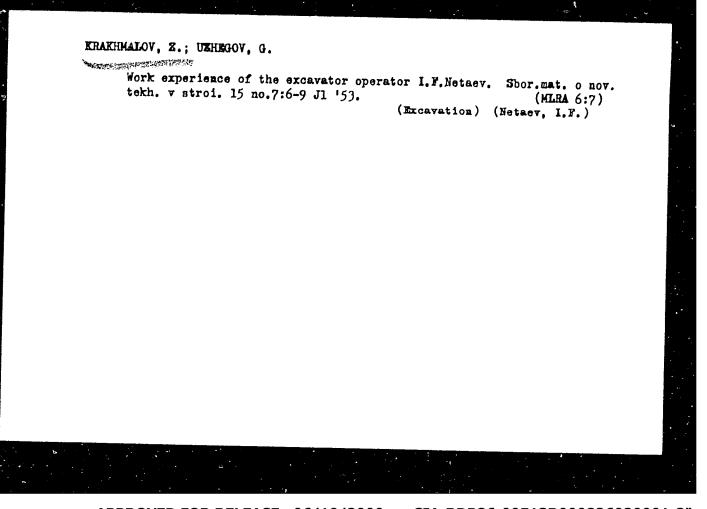
Card 1/2 of Asia Minor as well as above the Caucasus and also

An Extraordinary Foehn on the Black-Sea Coast of Caucasia 50-58-3-7/22

extended to the southern regions of the Black Sea. The crest was directed to the region of the Caspian Sea and the Aral Sea. The heat advection at the heights developed coming from the regions of Mesopotamia and Arabia. In Batumi the air temperature on April 16 rose to 38,3°C and exceeded the absolute maximum of several years by 7.3°C. In Poti the air temperature on April 16 attained 35.10C (2,0°C heigher than the absolute maximum of several years). The 24-hour amplitude of the air temperature on April 16 in Batumi was 23,90C and in Poti 16,30C. At the same time with the abrupt increase in air temperature a decrease in the relative humidity was observed. On April 16 at 1 p.m. the relative humidity in Batumi dropped to 8 % and in Poti to 24 %. The 24-hour amplitude of relative humidity in Batumi was 55 % and in Poti 20 %. During the foehn weak eastern winds prevailed in Batumi. In Poti strong east winds were observed which attained 17 m/sec. The strong winds in Poti were connected with orographic conditions of the region.

1. Wind--USSR 2. Atmosphere--Temperature 3. Meteorology

Card 2/2



BURBEL', A.N., inzhener; KRAKHMALOV, E.A., inzhener.

Innovators of the Stalingrad hydropower development. Mekh.trud.rab. 7 no.9: 34-35 S '53. (MLRA 6:9) (Stalingrad hydroelectric power station) (Earthmoving machinery)

Driving of sheet piling in the Statimerte hydroelectric power station project.

Biul.stroi.tekh. 10 no.12:8-9 Jl 153. (Maia 5:8)

(Sheet piling)

Knikhmalyok, P.F.

PITIN, R.N.; MIRINGOF, N.S.; KRAKHMALYUK, P.F.

Results of cold tests in the gas producer No.1 at the Shatsk gasification station "Podzemgaz." Podzem.gaz.ugl. no.3:38-43 157.

1. Institut goryuchikh iskopayemykh imeni G.M.Krzhinzhanovskogo Akademii nauk SSSR i Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)

KRAKHMALYUK, P.F.; LEVAHEVSKIY, V.S.; MIRINGOF, H.S.; MUSINOV, G.O.; PITIN, H.N.; FARBEROV, I.L.

Results of the study of gas leakage from gas producer No.1 at the Shatskaya "Podzemgaz" Station. Podzem. gaz. ugl. no.3: 23-29 158. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz i Institut goryuchikh iskopayemykh im. G.M. Krzhizhanovskogo AN SSSR.

(Moscow Basin -- Coal gasification, Underground)

NUSINOV, G.O., doktor tekhn. nauk; MIRINGOF, N.S., kand. tekhn. nauk; ERUSHTEYN, N.Z., kand. tekhn. nauk; KRAKHMALYUK, P.F.

Hydraulic fracturing of a coal seam under an increased rate of water injection and an increased distance between boreholes on an experimental gas generator at Shatskoye station. Nauch. trudy WIIPodzemgaza no.8:59-69 '62. (MIRA 16:6)

1. Laboratoriya gazifikatsii burykh ugley Vsesoyuznogo nauchnoissledovatel skogo instituta podzemnoy gazifikatsii ugley. (Moscow Basin—Coal gasification, Underground)

KRAKHOTIN, N. F., Cand Agr Sci -- (diss) "Bees of the Kazakhstan Altay, their economicobiological nature, and the way to improve them." Alma-Ata, Mapping Enterprises of the Ministry of Agriculture Mazakh SSR, 1960. 20 pp; (Committee of Higher and Secondary Specialist Education under the Council of Ministers Kazakh SSR, Alma-Ata Zooveterinary Inst); 170 copies; price not given; (KL, 28-60, 163)

BERKOVSKEY, V.S.; GUN, G.Ya.; KRAKHT, V.B.; KRAKHT, N.G.

Investigating plastic flow in passes in conditions of plain strain. Izv.vys.ucheb.zav.; chern. met. 8 no.40123-127 155.

(MIRA 1814)

l. Moskovskiy institut stali i splavov.

KRAKHT, S.V.; MEDVEDEV, S.V.; KOZ'MINSKAYA, Ye.I.

On the problems of outbreaks of tonsillitis. Voen.-med. zhur. no.9:
57-60 S '51.

(THROAT--DISEASES)

(MIRA 9:9)

Pathogenesis of primary tonsillitis. Vrach.delo no.11:1183-1186
H '56. (MIRA 10:3)

### KRAKHT, S.V.

Characteristics of fancial coccal bacteria in anginas and in normal subjects. Zhur.mikrobiol., epid. i immun. 27 no.8:30-31 Ag '56.

(MLRA 9:10)

1. Iz sanitarno-epidemiologicheskogo otryada SKVO.

(MICROCOCCUS PYOGENES,

pharynx, in normal subjects & tonsillitis (Rus))

(STREPTOCCOCUS,

pharynx, in normal sugjects & tonsillitis (Rus))

(PHARYNX, bacteriology,

Micrococcus pyogenes & Streptoc. in normal subjects & tonsillitis (Rus))

(TONSILLITIS,

pharyngeal Micrococcus pyogenes & Streptoc. carriage in normal subjects & tonsillitis (Rus))

KRAKHT, S.V., podpolkovnik med. sluzbby; RYABKO, N.A., podpolkovnik med. sluzbby

Hygienic of military camps. Voen. med. zhur no.4:62-63 Ap 157

(ARMED FORCES PERSONNEL, (MIRA 12:7)

camps (Rus))

Common cold infections and their prevention. Yoen.med.zhur. no.12:68-71
D'57
(COMMON COLD. prevention and control.
(Rus))

ALEKSANDROV, N.I.; GEFEN, N.Ye.; YEGOROVA, N.B.; KREYNIN, L.S.; SERGEYEV, V.M.; MASLOV, A.I.; SMIRNOV, M.S.; KRAKHT, S.V.; BUDAK, A.P.; GEFEN, G.Ye.

Development of a method for aerosol immunization against typhoid fever and dysentery. Voen.-med. zhur. no.5:54-59 My '61. (MIRA 14:8)

(TYPHOID FEVER) (DYSENTERY) (AEROSOLS)

KRAKHT, S.V., polkovnik meditsinskoy sluzhby, kand.med.nauk; KOTSANEV, V.N., gvardii podpolkovnik meditsinskoy sluzhby

Atypical course in dysentery. Voen.-med. zhur. no.5:60-61 My 161.
(MIRA 14:8)

KRAKHT, S.V., polkovnik med.sluzhby, kand.med.nauk

Preliminary results of aerogenic immunization against intestinal infections. Voen. med. zhur. no.10:68-69 0 '61. (MIRA 15:5)

(TYPHOID FEVER) (DYSENTERY) (VACCINATION)

KRAKHT, S.V., polkovnik meditsinskoy sluzhby, kand.med.nauk; AMIROV, M.S., mayor meditsinskoy sluzhby

Causes of repeated hospitalization of dysentery patients. Voen.-med. zhur. no.8:75-77'62. (MIRA 16:9) (DYSENTERY) (MEDICINE, MILITARY)

BERKOVSKIY, V.S.; GUN, G.Ya.; KRAKHT, V.B.; KRAKHT, N.G.

Investigating plastic flow in passes in conditions of plain strain. Izv.vys.ucheb.zav.; chern. met. 8 no.41123-127 155.

(MIRA 18:4)

1. Moskovskiy institut stali i spiavov.

HUNGARY/Physical Chemistry - Electrochemistry

B-12

Abs Jour

MARKIN, T.

: Ref Zhur - Khimiya, No 7, 1958, 20901

Author

: I. Rusnak, K. Fukker, I. Krakik.

Inst

: Academy of Sciences of Hungary.

Title

: Polarographic Study of High Molecular Substances by

Maximum Supression Method.

Orig Pub

: Acta chim. Acad. sci. hung., 1958, 9, No 1-4, 49-57

Abstract

: A more detailed report on work published earlier

(RZhKhim, 1956, 54683).

Card 1/1

KRAKINOVSKAYA, Ye. M.

"Development of the Theory of Physical Antiseptics in Russian Surgery." Sub 20 Nov 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

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<b>⊥</b> •	THAN.	T.::O A 2 V	AYA.	YF. M.

- 2. USSR (600)
- 4. Dobroslavin, Aleksei Petrovich, 1842-1889
- 7. Alakesi Petrovich Dobroslavin and the surgical clinic, Sov. wdrav. 12 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

N.I.Pirogov and the problem of prevention of surgical infection.
Klin. med. 32 no.8:82-89 Ag \*54. (MLRA 7:10)

(ANTISEPSIS AND ASEPSIS, history,
in Russia, contribution of N.I.Pirogov)

(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)